

A close-up photograph of a centrifuge rotor assembly. The rotor is black with several grey caps. In the foreground, a black cylindrical component is labeled 'ortoalresa Ns 220759/05'. To the right, a silver metal tube is labeled 'o-alresa Ns 220607/02'. In the background, a red tube is visible. The image is partially overlaid with a dark grey rectangle containing the company logo and a dark grey bar at the bottom containing the text 'General applications | BIOGEN 22'.

**orto  
alresa**  
About centrifugation

General applications | BIOGEN 22

# BIOCEN 22



IVD CE

The Biocen 22 centrifuge is our offer for users that require a microcentrifuge with possible applications for microhematocrit and microtubes. Its small size, good performance and great versatility make it an essential tool. It gives the user complete control from the beginning of the process and many values can be customised according to the processes. Built to ensure the minimum increase of temperature inside the chamber due to the high-speed centrifugation process.



**Max. Capacity**  
24 x 2 ml / 12 x 5 ml



**Max. Speed**  
21.885 xg / 15.000 RPM



**Screen Type**  
LED



**Version**  
Ventilated



## Features

LED screen:

- Shows RPM/ RCF and time.
- Speed programming in 50 RPM/ 10 xg steps.
- Count up/down from "0" or at "set RPM/RCF" for reproducible tests.
- Timer from 1 to 99 min. programmable in 1 min. steps and hold position.
- Deceleration control in 3 steps: fast, soft and free.
- Acoustic and visual messages on screen showing the equipment status to the user.

## Easy to use

- Microprocessor controlled.
- Induction motor maintenance free (brushless).
- Rotors list in memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Possibility to block or modify the speed during the cycle.
- Automatic lid opening, programmable.
- Low height for easy access.
- Last values remain in memory.
- Over-speed protection.

## Safety

- Lid provided with security systems:
  - Automatic lid lock system, motorized.
  - Emergency lid-lock release.
  - Locking and protection against opening along the run.
  - Lid dropping protection.
  - Port in the lid for calibration and operation checking.
- Unbalance detection and switch off.
- Protection safety ring between the centrifugation chamber and the housing.
- Chamber of centrifugation in stainless steel (easy cleaning).
- Rotors can be removed with the lid closed. Hermetic lids.
- Rotors and adapters autoclavable, easy to install by the user.
- Forced ventilation to reduce temperature increasing
- Automatic disconnection for energy saving, with deactivation option.

EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU, 98/79/EC.  
Standards: EN 61010-1, EN 61010-2-101, EN 61010-2-020, EN 61326-2-6, EN 61326-1.

## Versions

	Dimensions (mm) (w x d x h)			Net weight (Kg)	Voltage (V)	Frequency (Hz)	Consumption (W)
CE 146	270	380	270	16	220-230	50-60	360
CE 147	270	380	270	16	110-120	50-60	360

## Accessories



ROTOR	RT 227	RT 228	RT 229	RT 254
	ANGLE FIXED 45 °	HORIZONTAL	ANGLE FIXED 45 °	ANGLE FIXED 45 °
Max. capacity	24x1,5-2 ml	24x1,5x75 mm	32x0,2 ml	12 x 5 ml
RPM Max.	15.000	15.000	15.000	15.000
Radius (mm)	82	87	55	87
RCF Max. (xg)	20.627	21.885	13.835	21.884

SAMPLE VOLUME	ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS	
	Tubes	Ref.	Tubes	Ref.	Tubes	Ref.	Tubes	Ref.
5 ml. conical / screw cap	-	-	-	-	-	-	12/6	-
1,5x75 mm. Capillaries	-	-	24	-	-	-	-	-
Microtubes 1,5-2 ml.	24	-	-	-	-	-	12	RE 506
Microtubes 0,5-0,6 ml.	24	RE 305	-	-	-	-	12	RE 507
Microtubes 0,2-0,4 ml.	24	RE 304	-	-	32x0,2	-	12	RE 508

(1) Includes microhematocrit reader card.

(2) Available adapters for cryotubes.





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